

CONSTITUTION OF SYSTEM

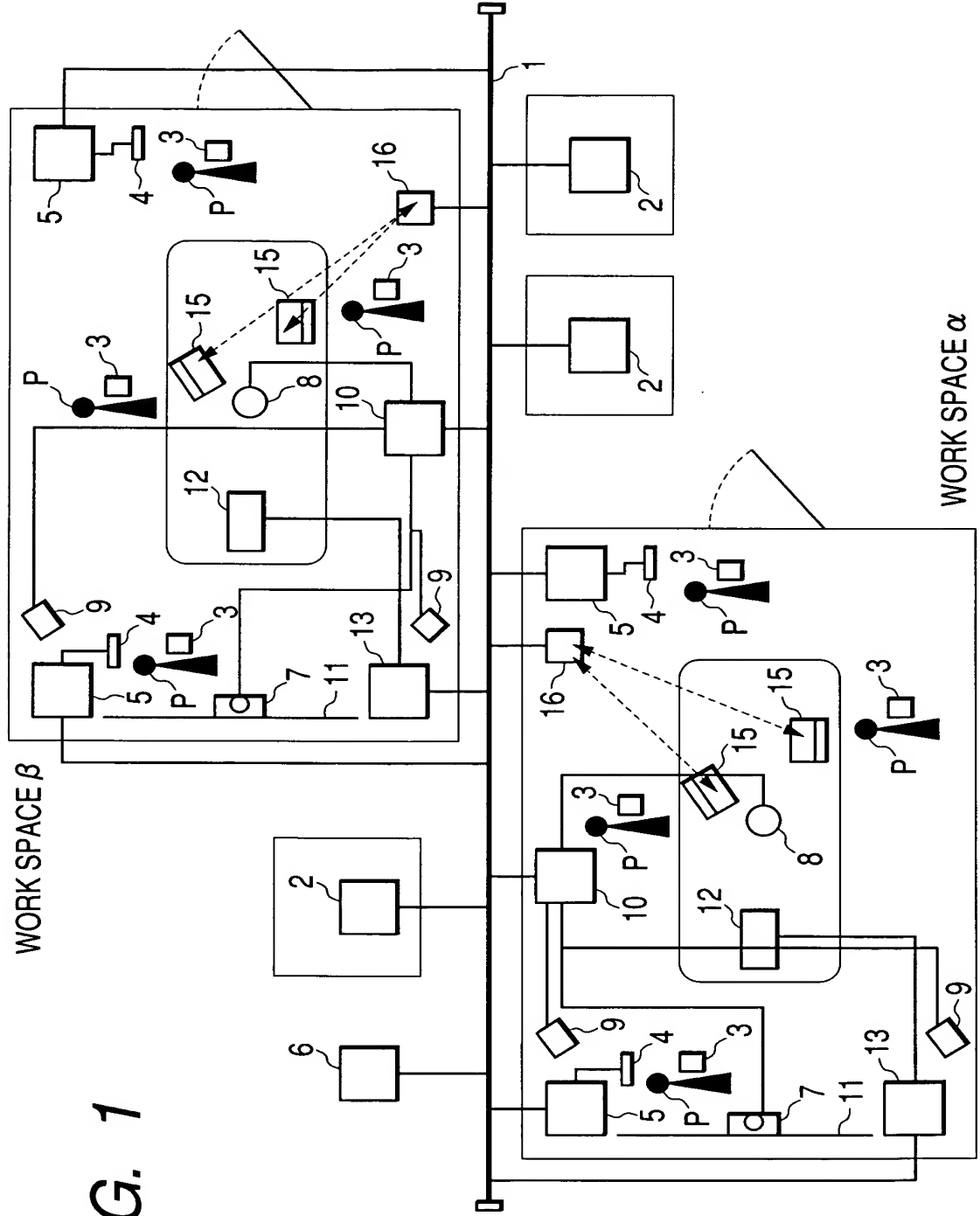


FIG. 1



2 / 19

FIG. 2

DATA STRUCTURE OF OBJECT DETECTION EVENT

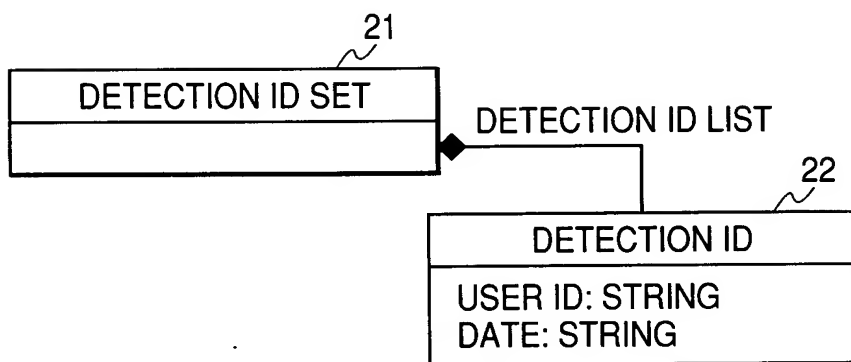


FIG. 3A

DETECTION OF OBJECT AND SENDING
OF OBJECT DETECTION MESSAGE

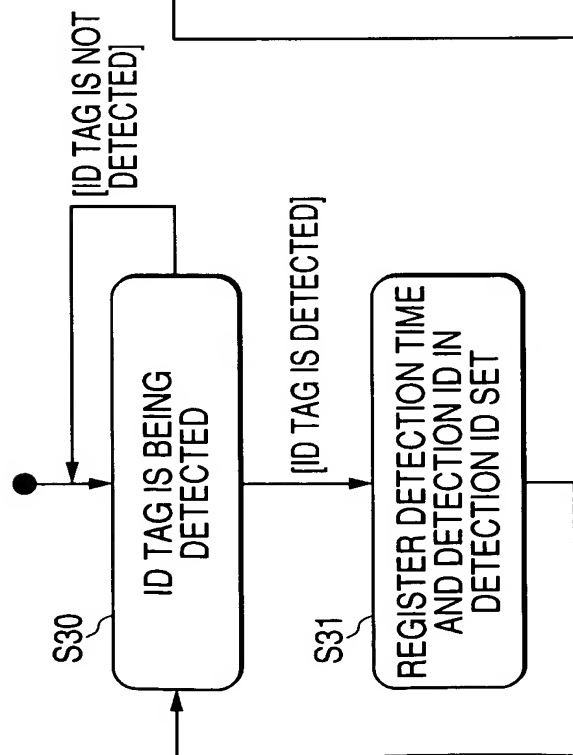


FIG. 3B

DETECTION OF OBJECT AND SENDING
OF OBJECT DETECTION MESSAGE

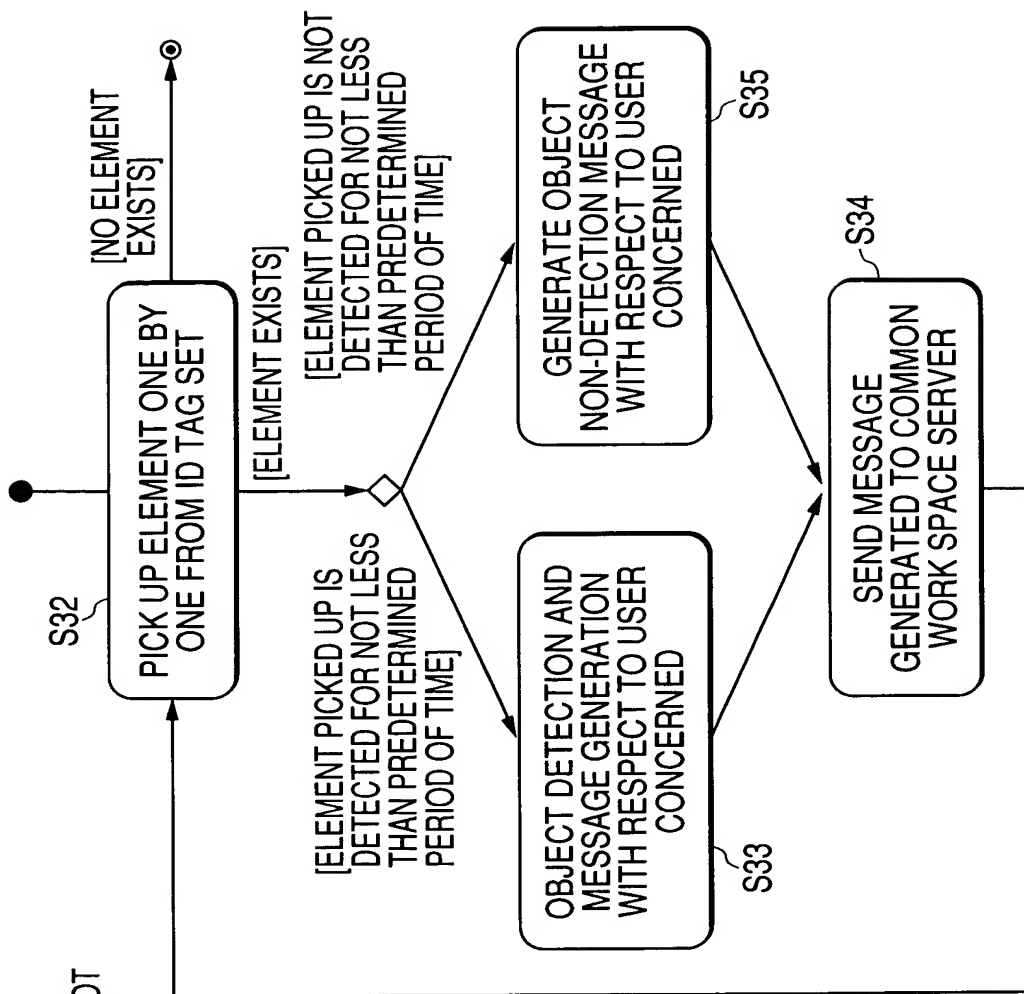




FIG. 4A

OBJECT DETECTION MESSAGE

41

```
<?xml version="1.0" encoding="Shift-JIS" ?>
<sensedinfo>
  <messageid>13C57A9B11D1E3</messageid>
  <status>detected</status>
  <objectid>2A4A6D81CB012</objectid>
  <datetime>10:23:15 July, 20, 2002</datetime>
  <tagreaderid>5B10A1CF5D20</tagreaderid>
</sensedinfo>
```

FIG. 4B

OBJECT DETECTION MESSAGE

42

```
<?xml version="1.0" encoding="Shift-JIS" ?>
<sensedinfo>
  <messageid>1A35D791F1A13</messageid>
  <status>disappeared</status>
  <objectid>24A68DB1F01E2</objectid>
  <datetime>10:23:15 July, 20, 2002</datetime>
  <tagreaderid>5C1D0BA1E52B0</tagreaderid>
</sensedinfo>
```

FIG. 5

DATA STRUCTURE OF COLLABORATIVE ACTIVITY CONTEXT

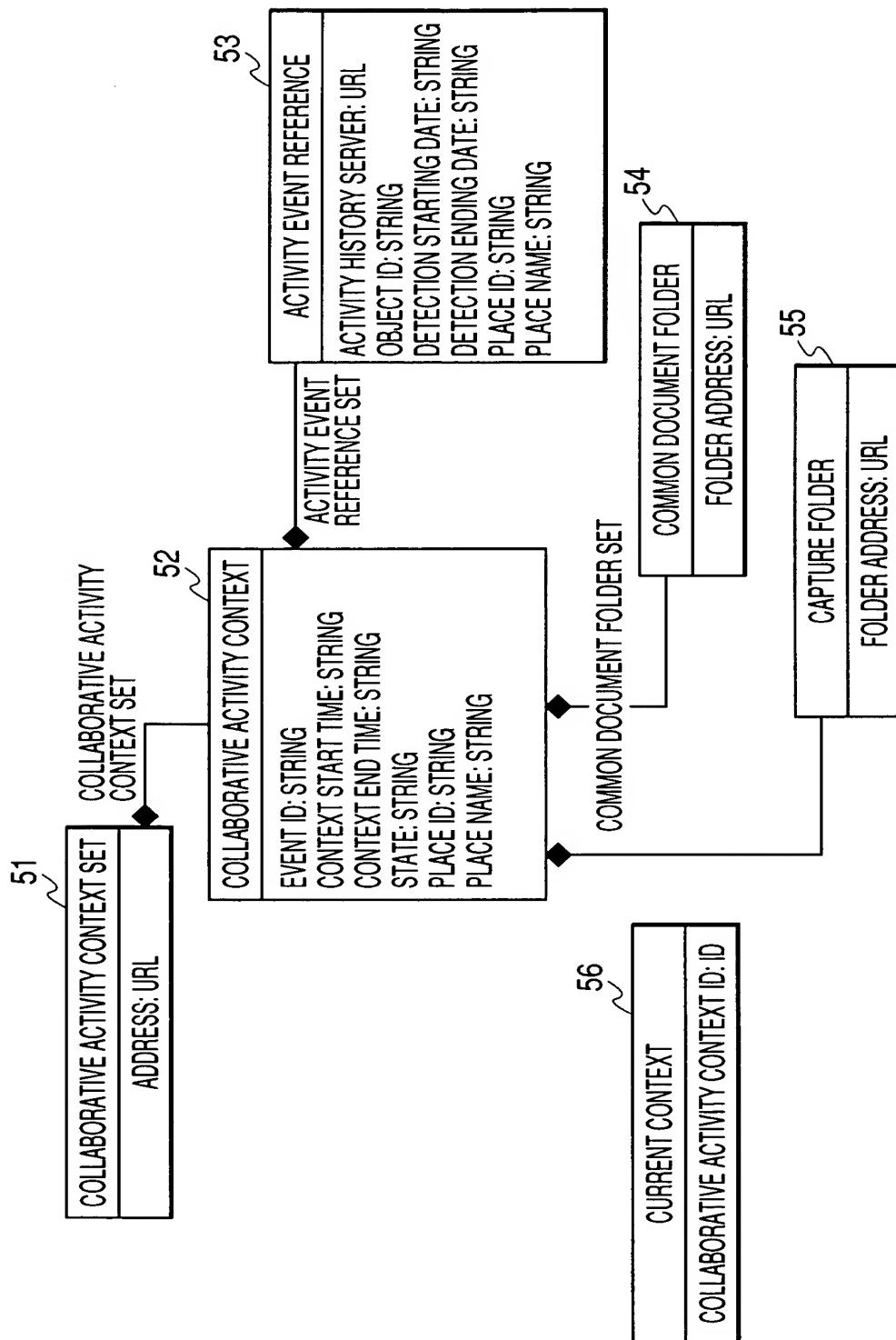


FIG. 6A

DETECTION OF OBJECT AND SENDING
OF OBJECT DETECTION MESSAGE

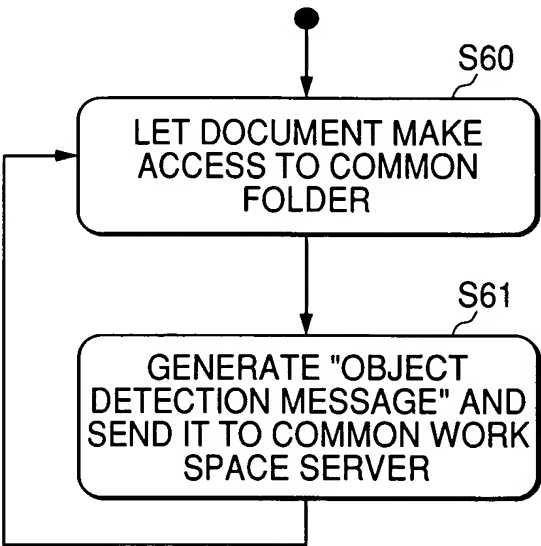


FIG. 6B

DETECTION OF OBJECT AND SENDING
OF OBJECT DETECTION MESSAGE

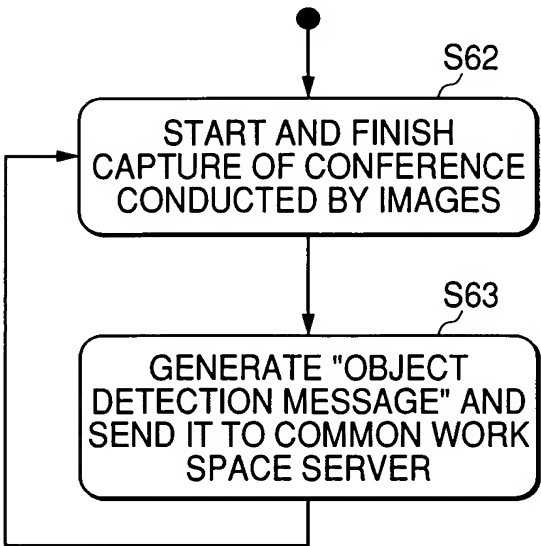


FIG. 7

REPRODUCE AND VIEW CAPTURE IMAGE

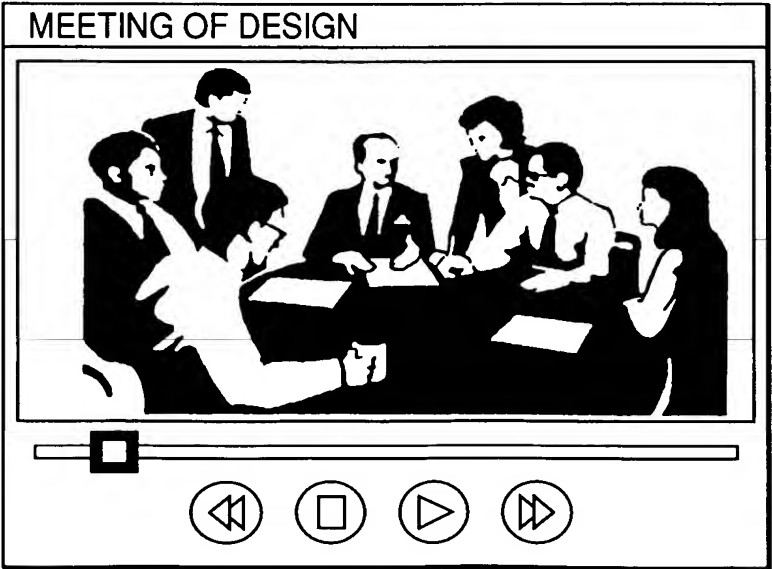


FIG. 8

PROCESSING OF GENERATION OF OBJECT CONTEXT CHANGE EVENT

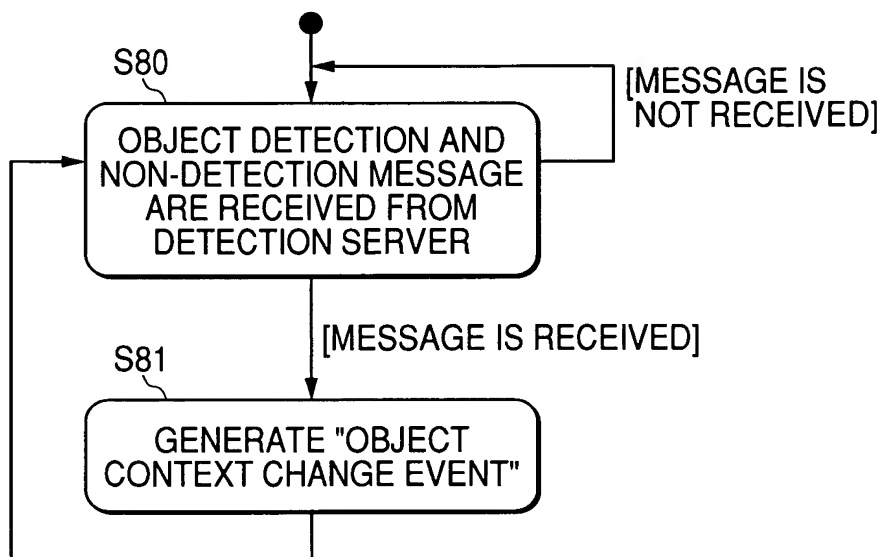
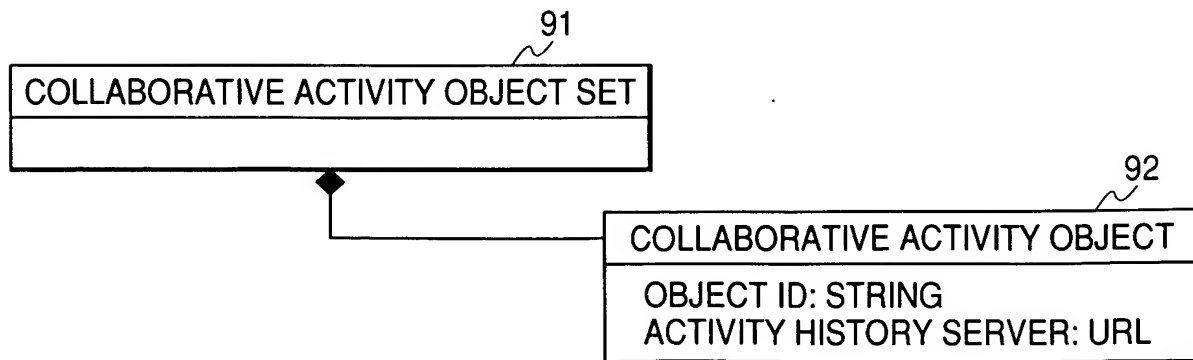


FIG. 9

DATA STRUCTURE OF COLLABORATIVE ACTIVITY OBJECT



**FIG. 10A**

ACTIVITY EVENT REGISTRATION MESSAGE

101

```
<?xml version="1.0" encoding="Shift-JIS" ?>
<activityevent>
  <messageid>2A1D3C4B6C5</messageid>
  <status>appeared</status>
  <credential>67F1B3E7A9D</credential>
  <objectid>24A6C8D1E01A2</objectid>
  <objecttype>person</objecttype>
  <datetime>15:32:05 July, 20, 2002</datetime>
  <workspaceid>97A5CA3FD2B6</workspaceid>
  <workspacename>CONFERENCE ROOM 21</workspacename>
  <previous>http://www.alpha.net/3D2A4356BC36B.xml</previous>
</activityevent>
```

FIG. 10B

ACTIVITY EVENT REGISTRATION MESSAGE

102

```
<?xml version="1.0" encoding="Shift-JIS" ?>
<activityevent>
  <messageid>2A1D3C4B6C5</messageid>
  <status>disappeared</status>
  <credential>67F1B3E7A9D</credential>
  <objectid>24A6C8D1E01A2</objectid>
  <objecttype>person</objecttype>
  <datetime>15:32:05 July, 20, 2002</datetime>
  <workspaceid>97A5CA3FD2B6</workspaceid>
  <workspacename>CONFERENCE ROOM 21</workspacename>
  <previous>http://www.alpha.net/3D2A4356BC36B.xml</previous>
</activityevent>
```


FIG. 11

PROCESSING OF NOTIFICATION OF ACTIVITY EVENT TO ACTIVITY HISTORY SERVER

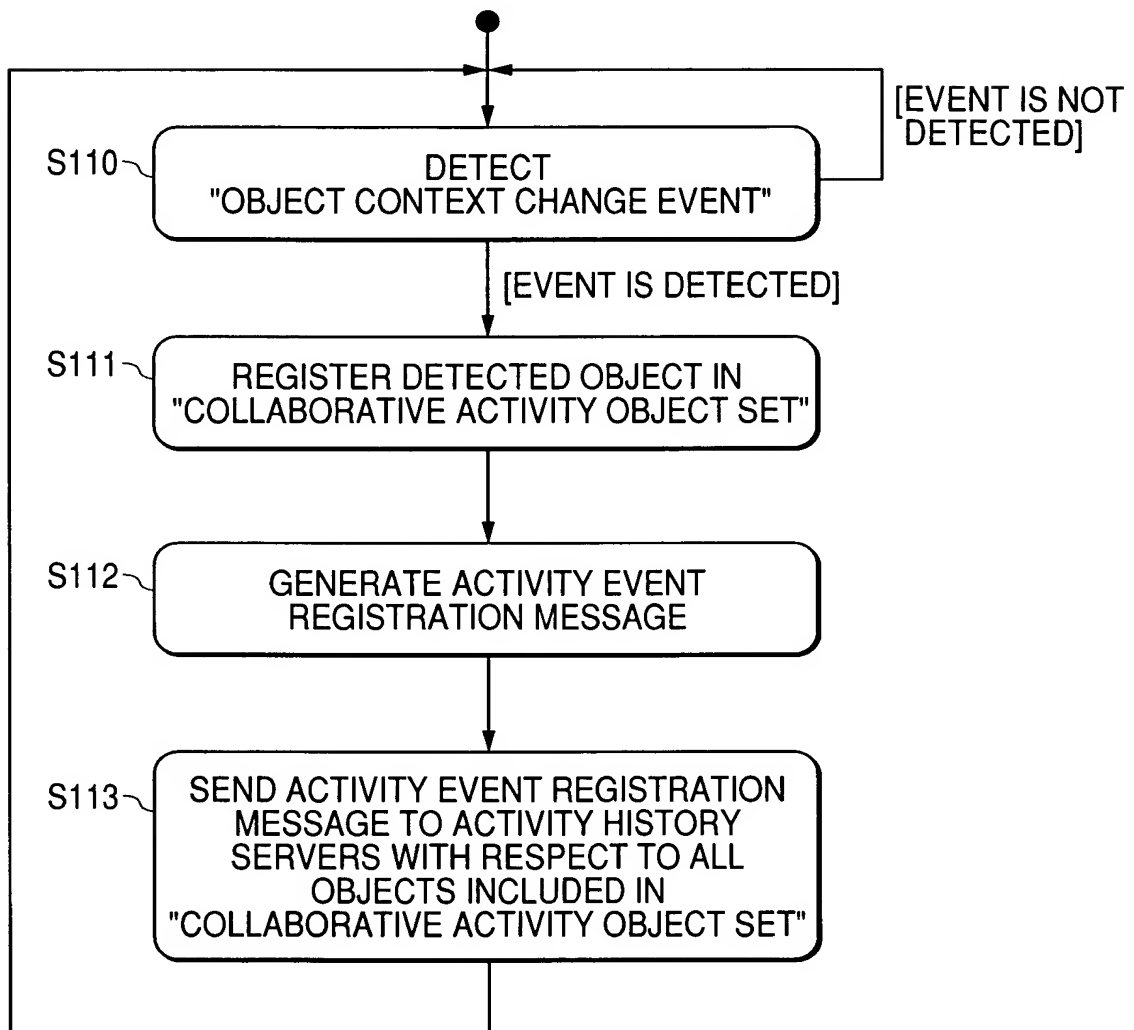


FIG. 12

PROCEDURE OF EXCHANGE OF MESSAGE IN TRANSMISSION OF ACTIVITY EVENT

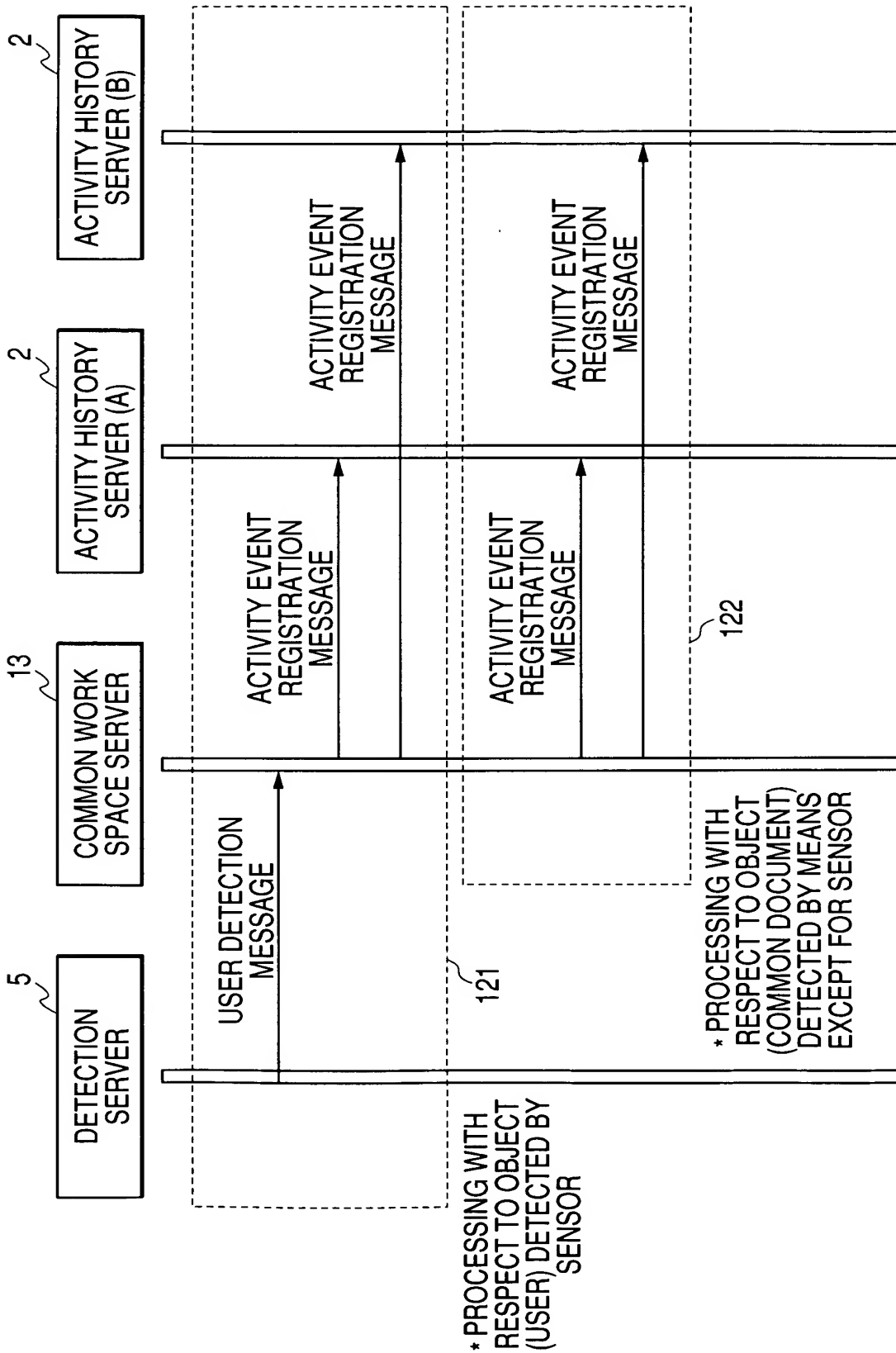


FIG. 13

DATA STRUCTURE OF OBJECT HISTORY

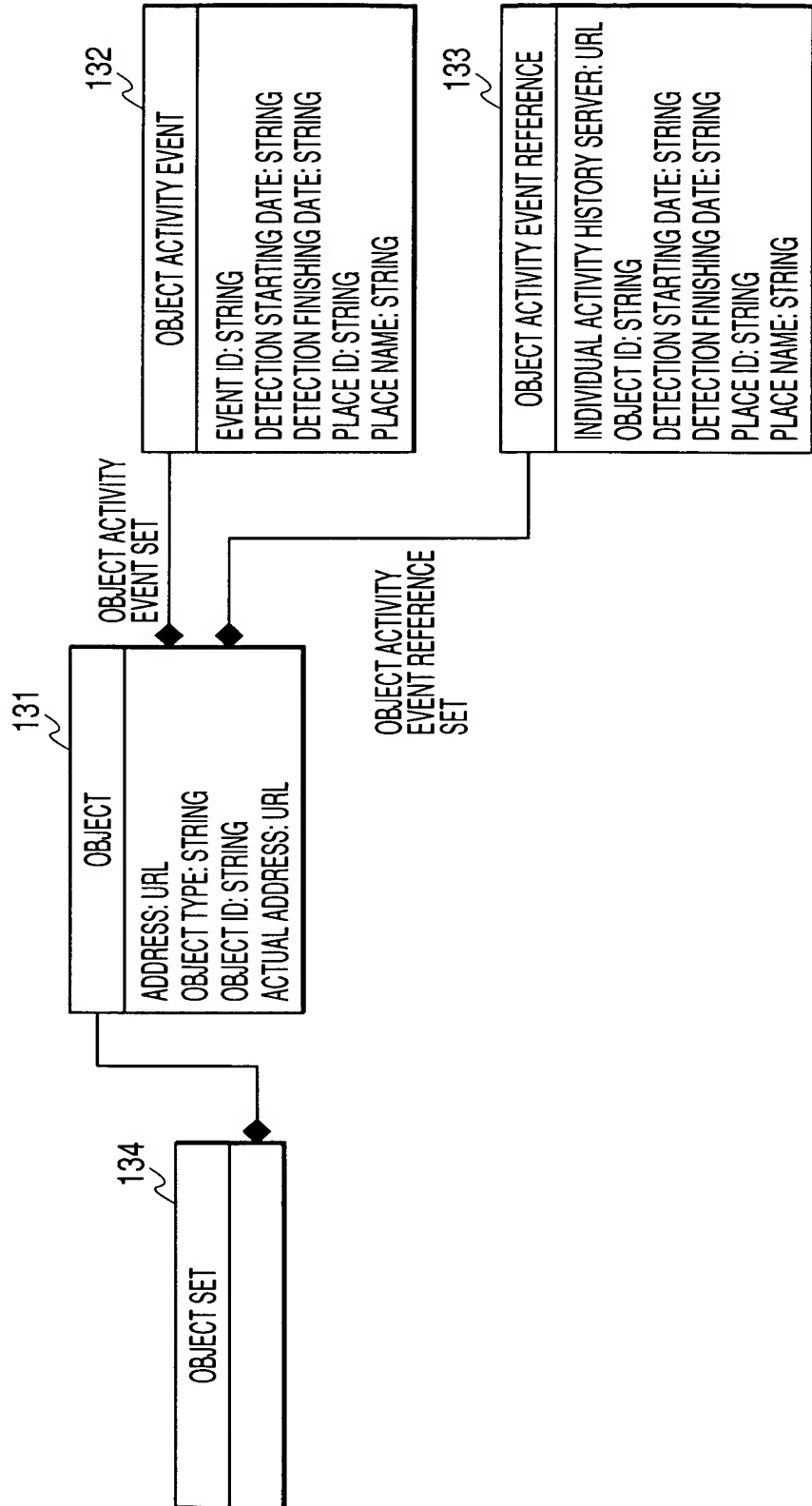


FIG. 14

PROCESSING OF REGISTRATION OF RECEIPT OF ACTIVITY EVENT

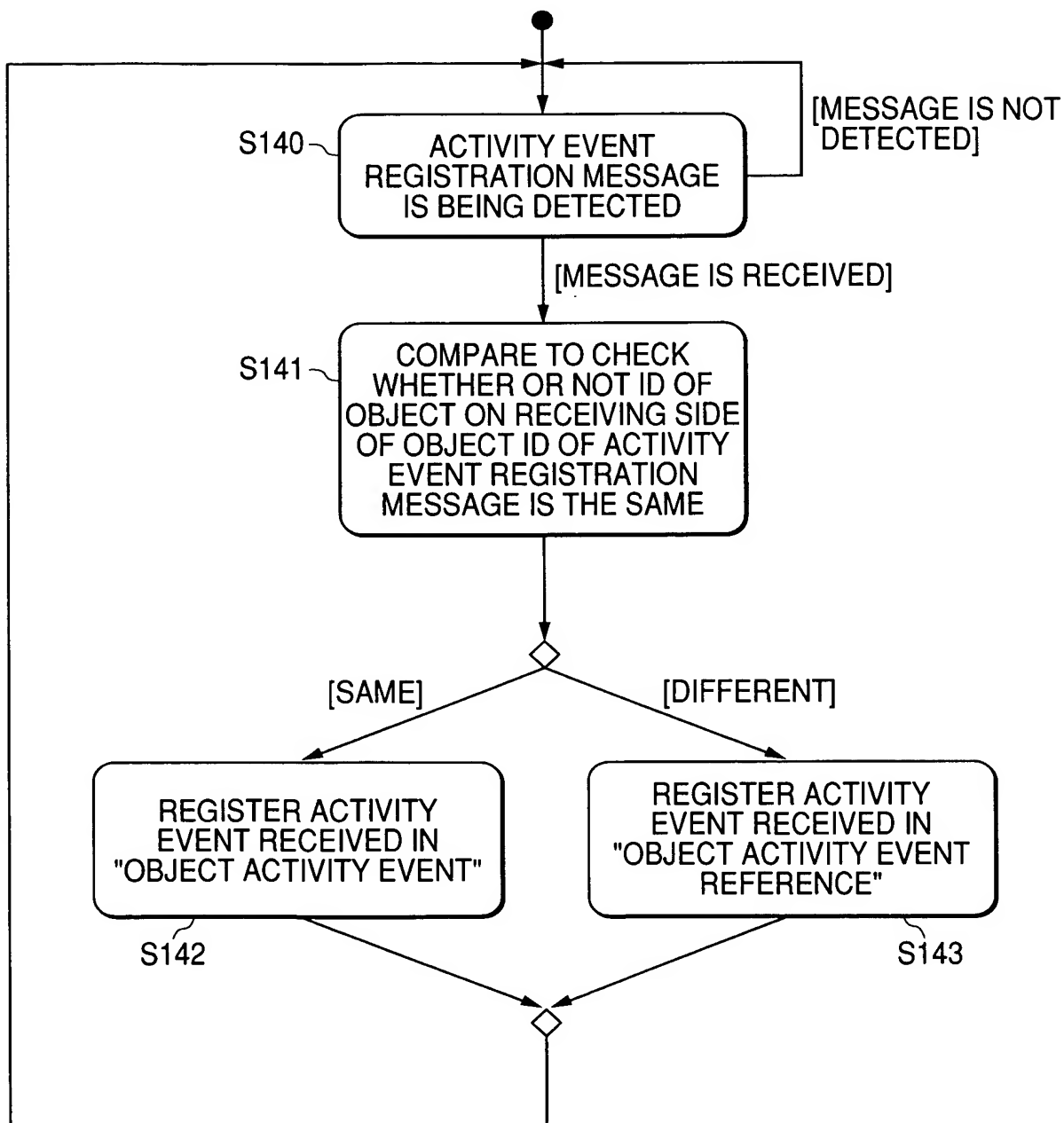




FIG. 15

RELATION MATRIX BETWEEN OBJECTS

	OBJECT 1	OBJECT 2	OBJECT 3	OBJECT n
OBJECT 1	0	0.12	0.45	0.02
OBJECT 2		0	0.11	0.04
OBJECT 3			0	0.22
OBJECT 4				0.45
OBJECT n				0

151

FIG. 16

DATA STRUCTURE OF RELATION HISTORY BETWEEN OBJECTS

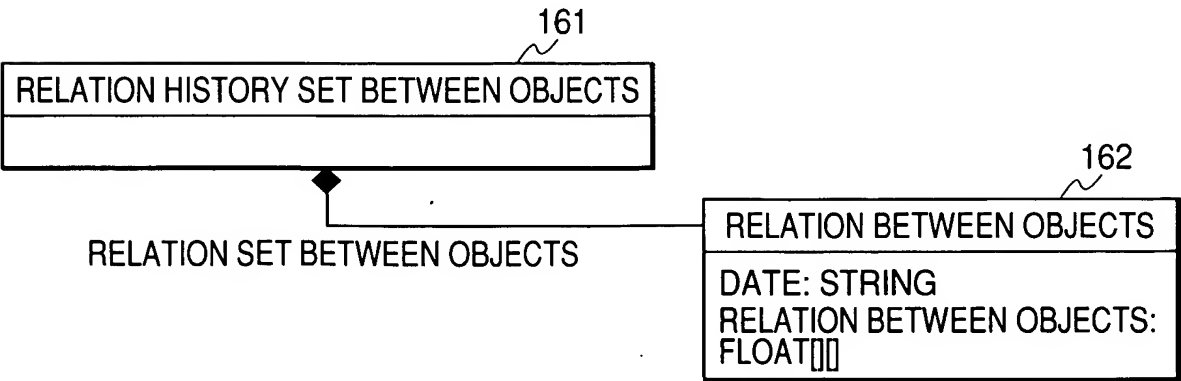


FIG. 17

INTERFACE FOR DISPLAYING AN OVERVIEW

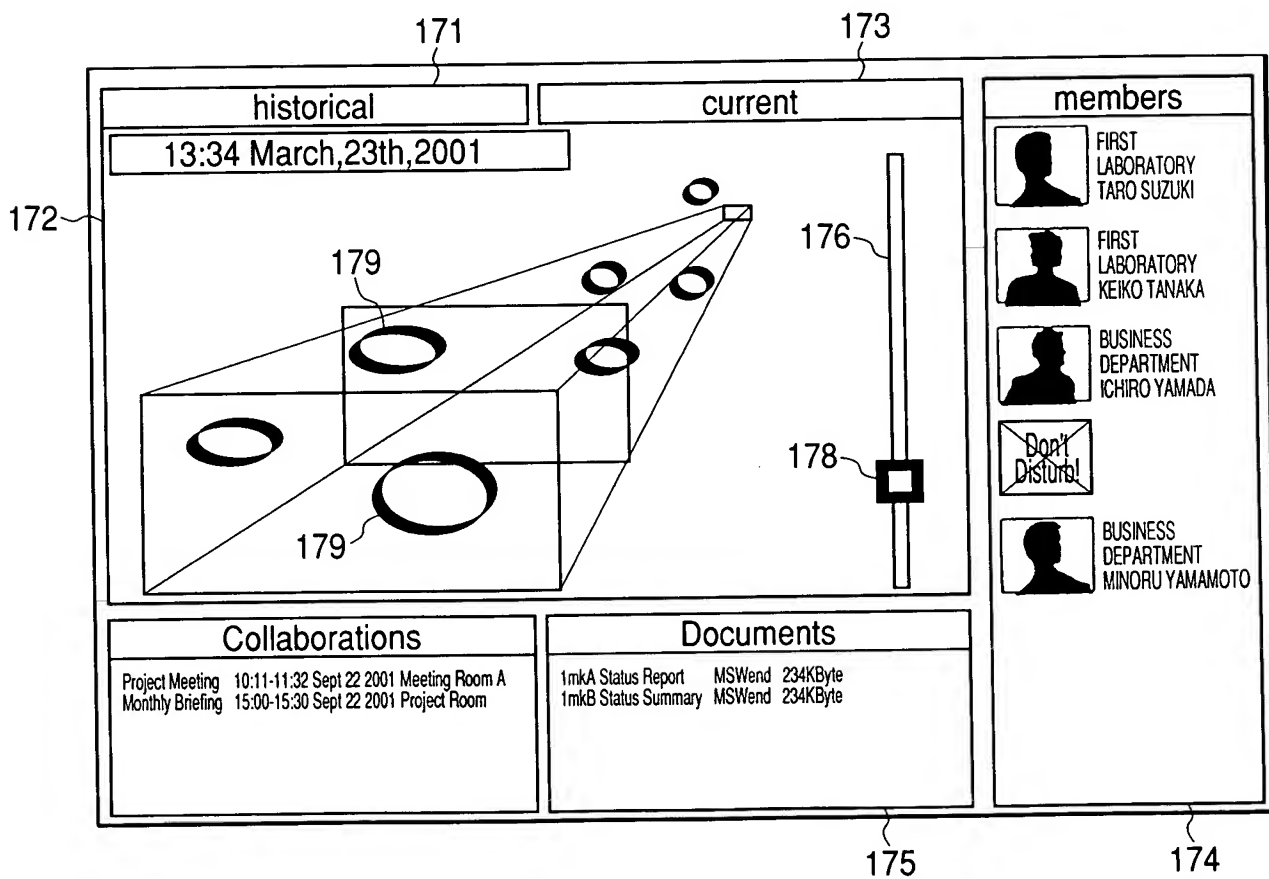
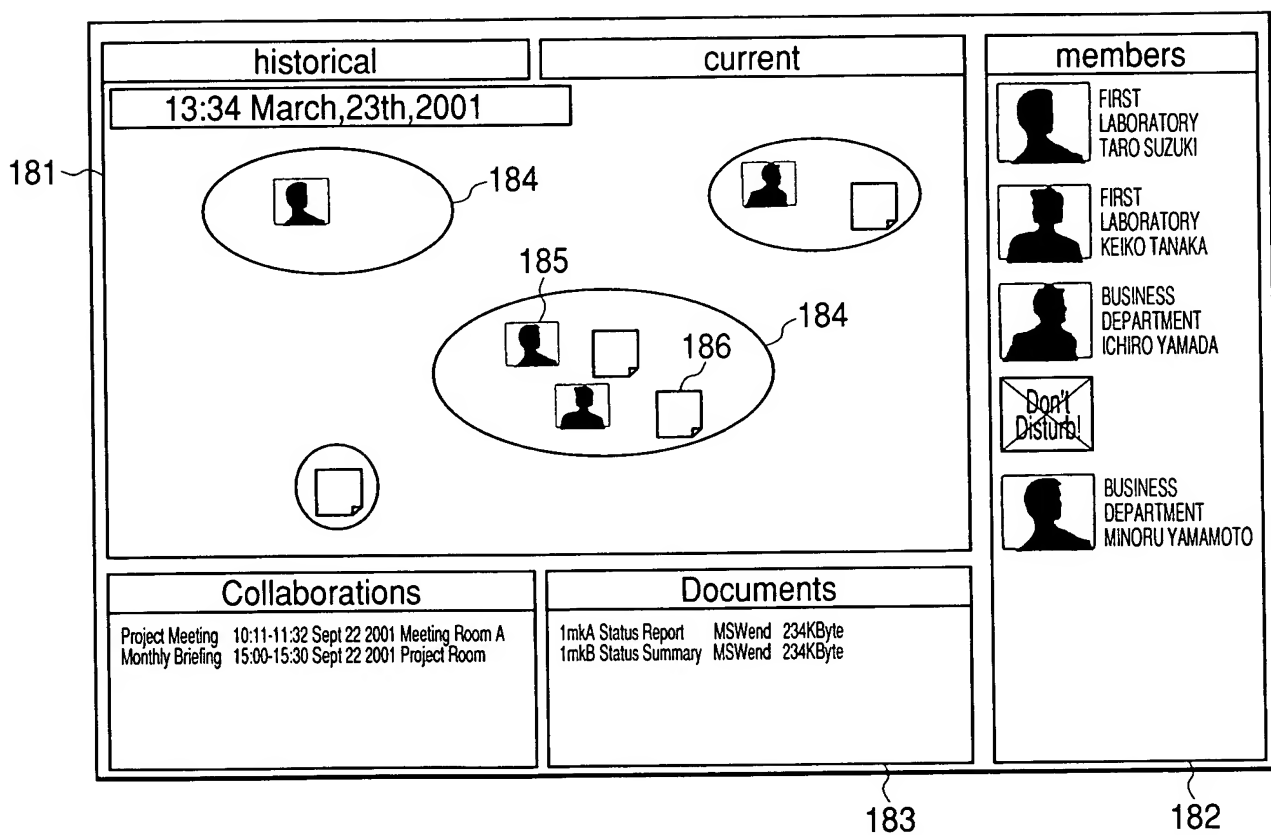


FIG. 18

INTERFACE FOR DISPLAYING AN OVERVIEW OF ACTIVITY HISTORY





16 / 19

FIG. 19

VIEW OF COMMON DOCUMENT

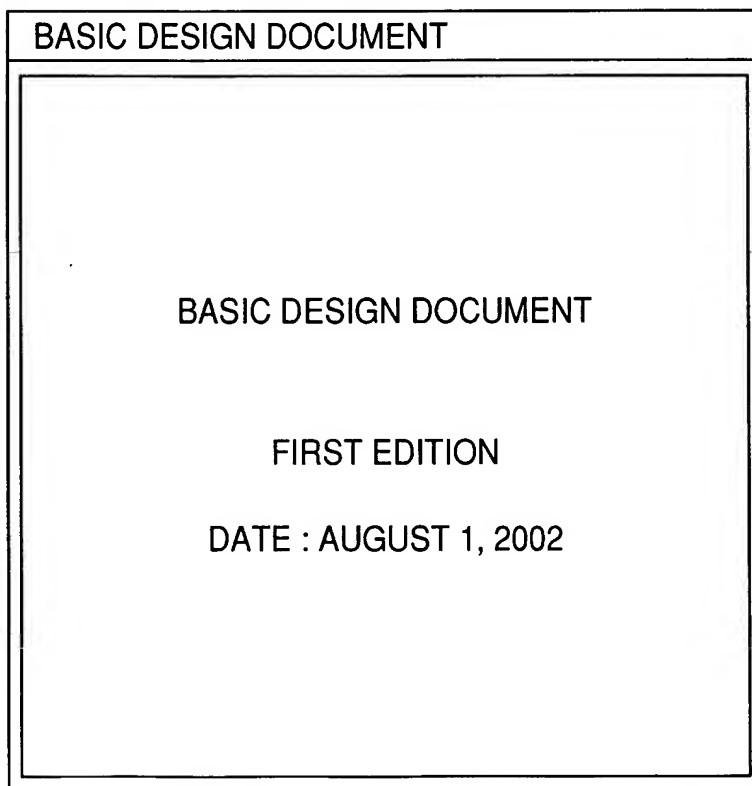


FIG. 20

PROCESSING OF DISPLAY OF AN OVERVIEW
OF RELATION BETWEEN OBJECTS

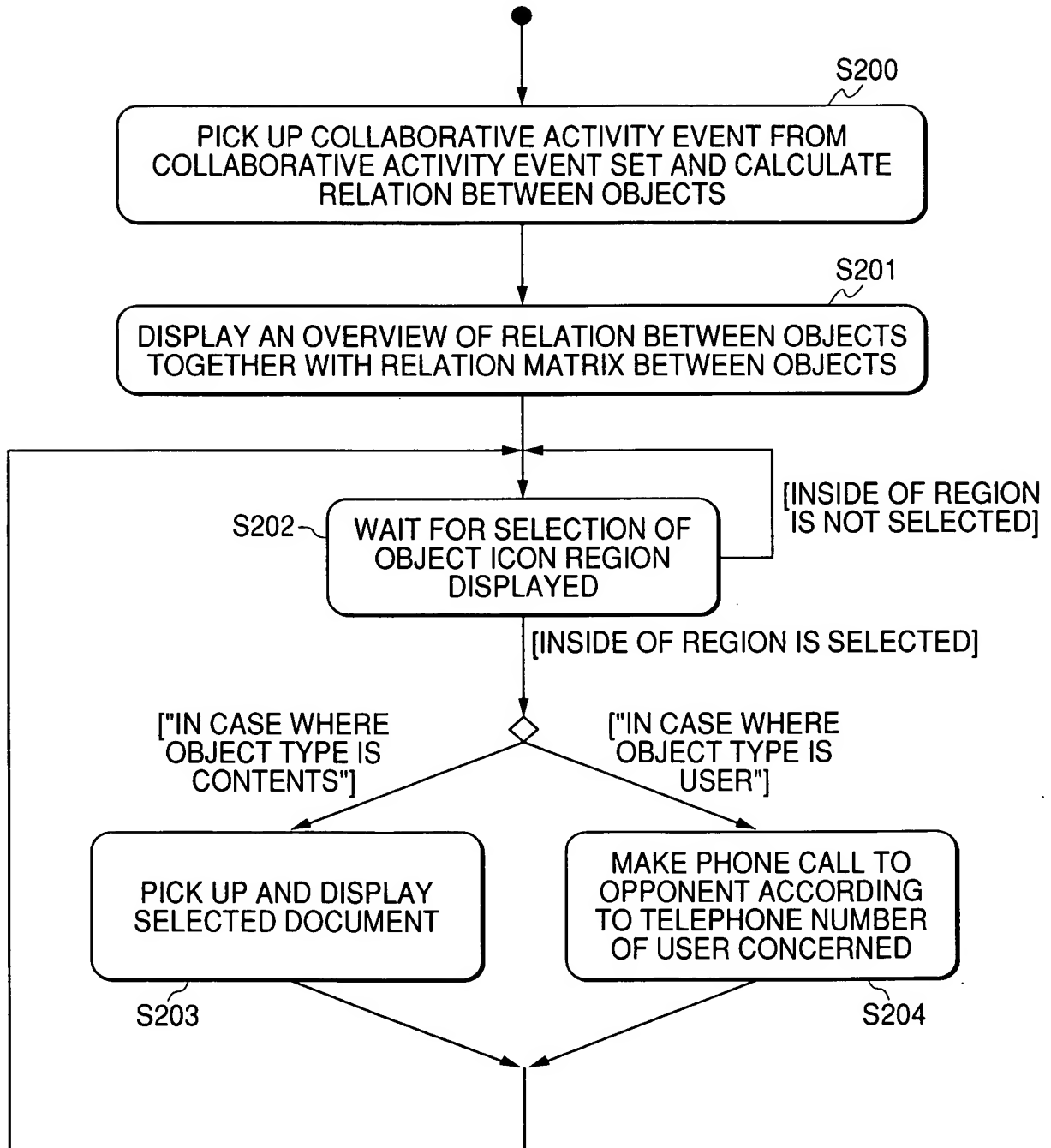


FIG. 21

PROCESSING OF GENERATION OF COLLABORATIVE ACTIVITY CONTEXT

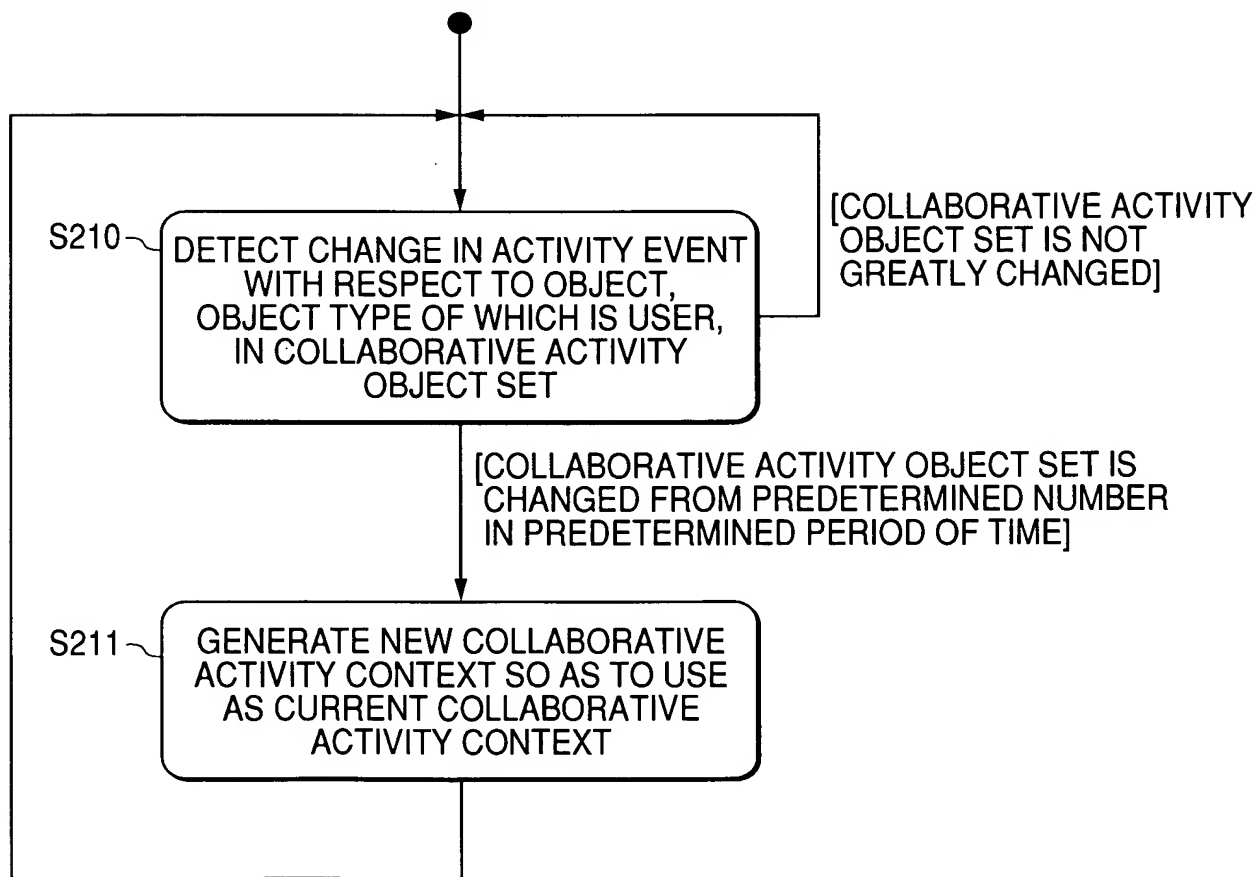


FIG. 22

AWARENESS OF CONTEXTS ACCORDING TO
RELATION BETWEEN OBJECTS DETECTED

